

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032533.D
 Acq On : 25 Sep 2018 6:56
 Operator : SY/AP
 Sample : J5034-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018DL

Manual Integrations
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Quant Time: Sep 26 17:50:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 26 17:50:28 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1543358	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3414694	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3288049	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2483423	10.02	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.06	41	40170m	0.721	ppbv	
13) Ethanol	3.68	45	139494	8.334	ppbv	97
24) 1,1-Dichloroethane	5.11	63	162466	0.815	ppbv	99
26) Hexane	5.80	57	22018m	0.148	ppbv	
29) Chloroform	5.87	83	43634	0.192	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	113196	0.800	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	508773	2.096	ppbv	100
38) Trichloroethene	7.99	130	652180	6.174	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

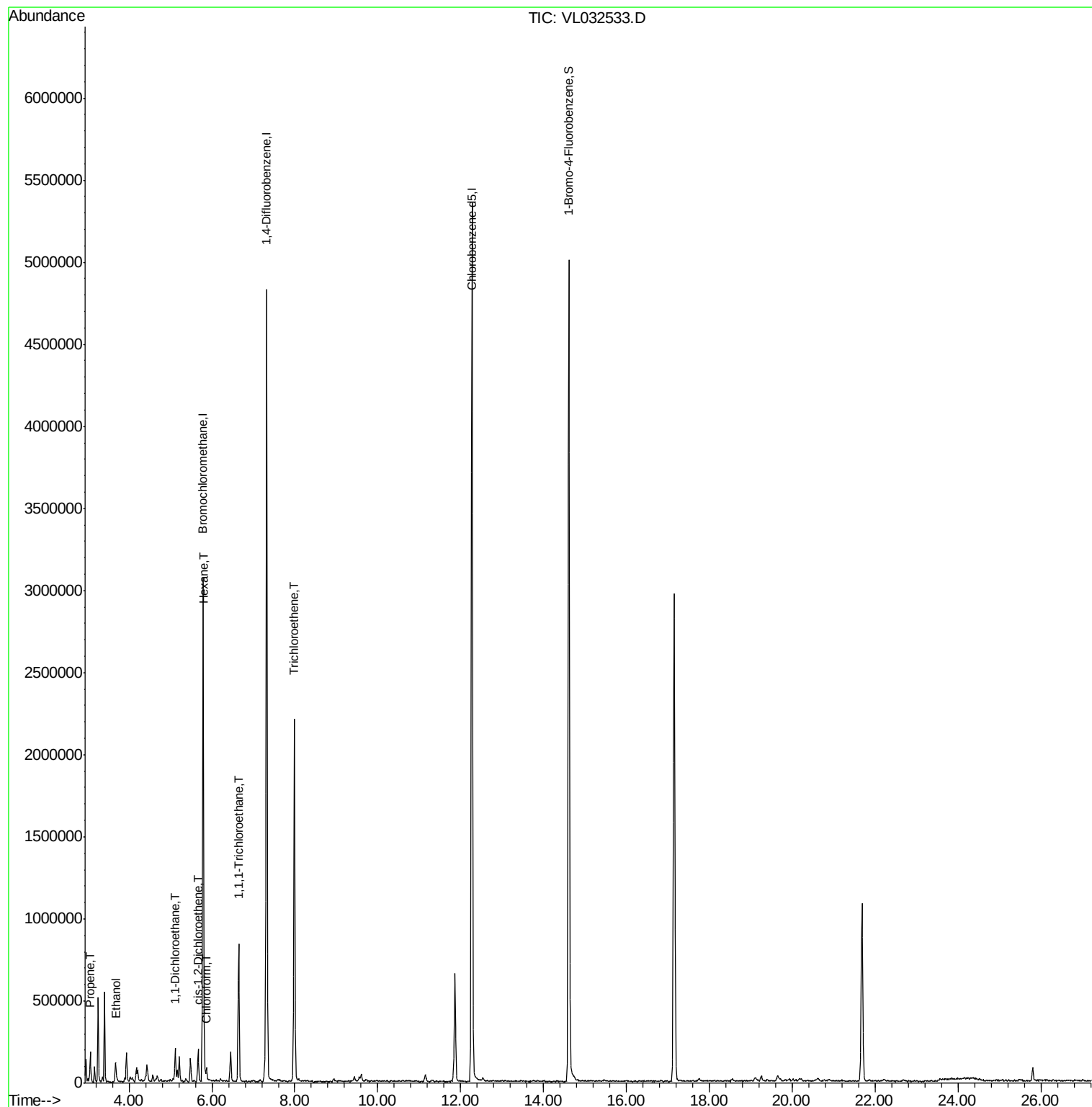
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\
Data File : VL032533.D
Acq On : 25 Sep 2018 6:56
Operator : SY/AP
Sample : J5034-02DL 10X
Misc : 400ml/MSVOA L
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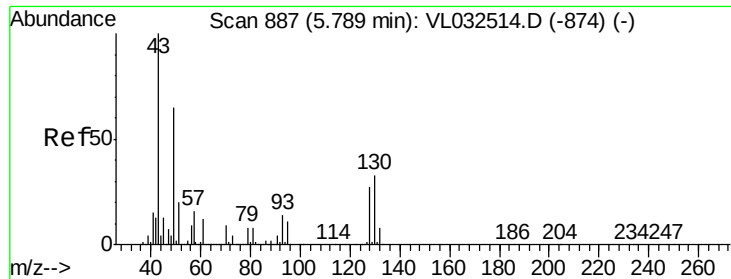
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018DL

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Quant Time: Sep 26 17:50:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032533.D

Acq: 25 Sep 2018 6:56

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018DL

Tot Ion: 49 Resp: 1543358

Ion Ratio Lower Upper

49 100

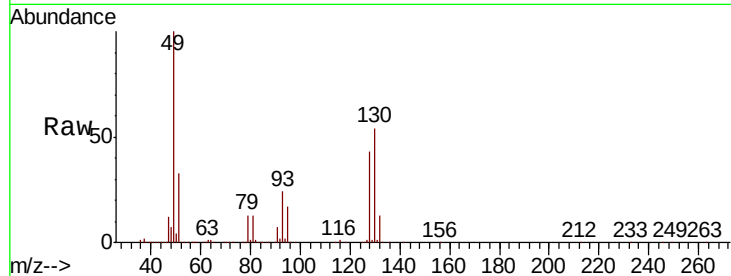
128 43.1 20.7 62.1

130 54.8 26.6 79.7

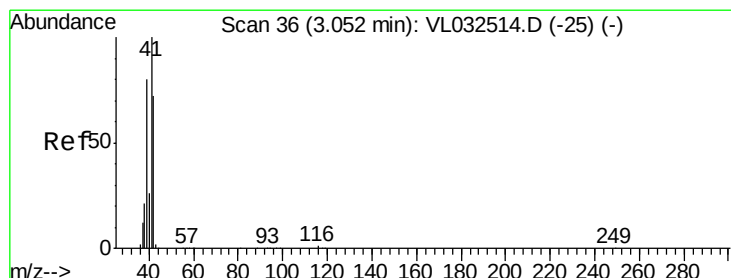
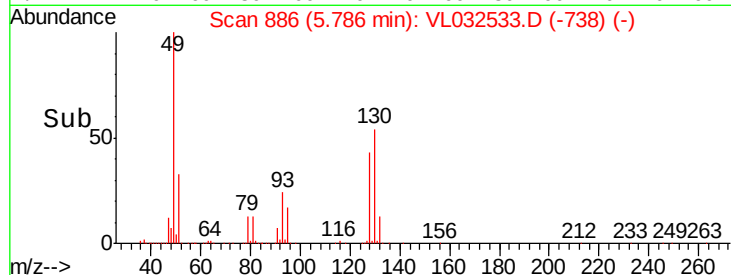
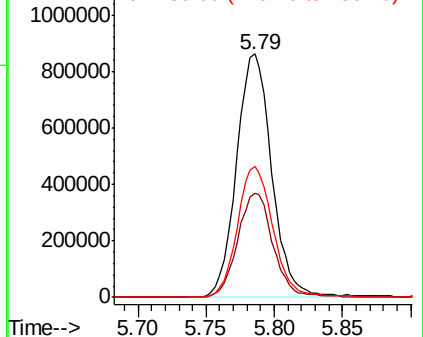
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.721 ppbv m

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032533.D

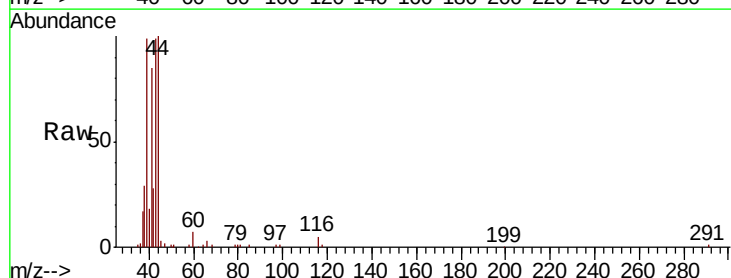
Acq: 25 Sep 2018 6:56

Tgt Ion: 41 Resp: 40170

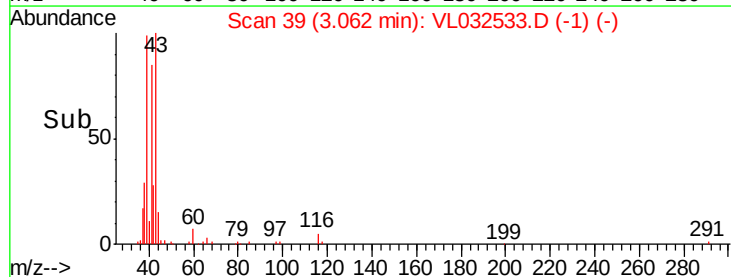
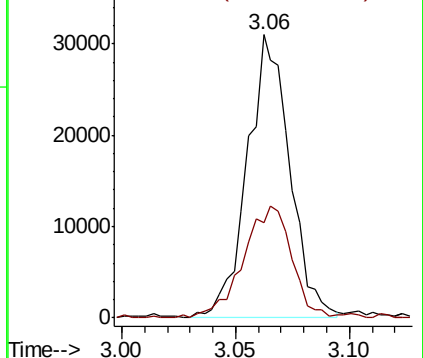
Ion Ratio Lower Upper

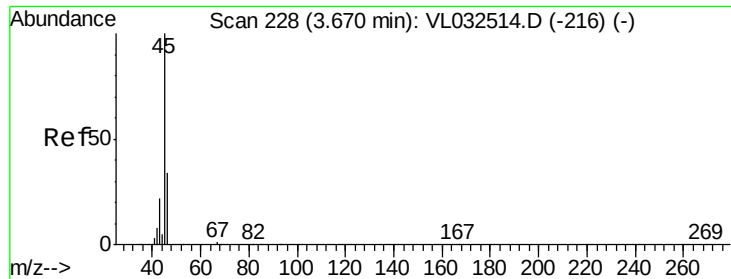
41 100

42 229.7 56.6 84.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





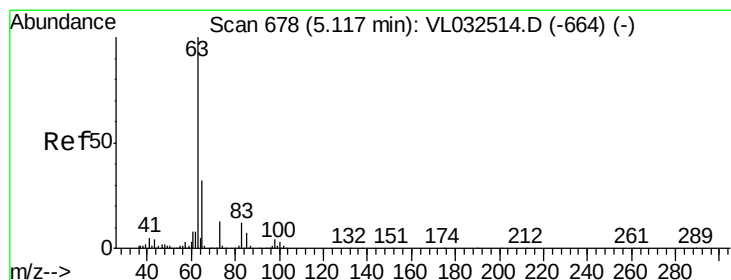
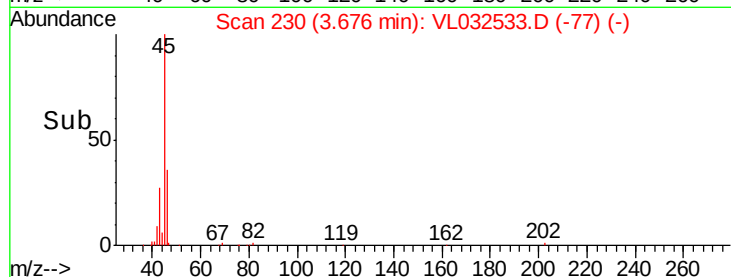
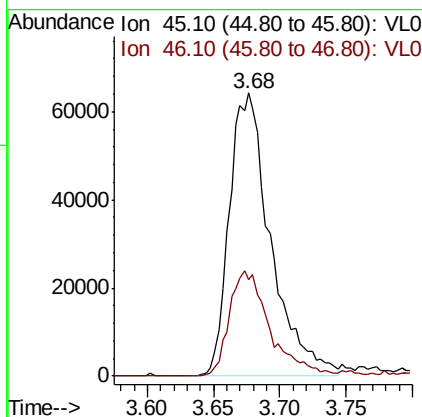
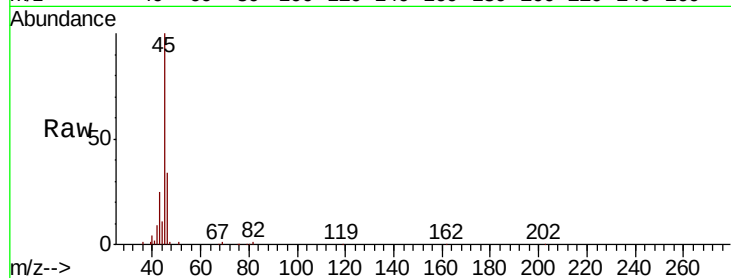
#13
Ethanol
Concen: 8.334 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032533.D
Acq: 25 Sep 2018 6:56

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018DL

Tot Ion: 45 Resp: 139494
Ion Ratio Lower Upper
45 100
46 37.0 14.2 56.8

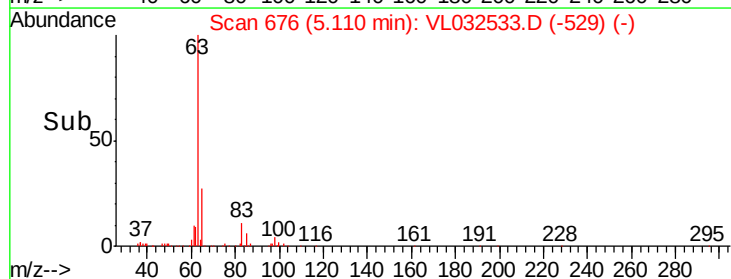
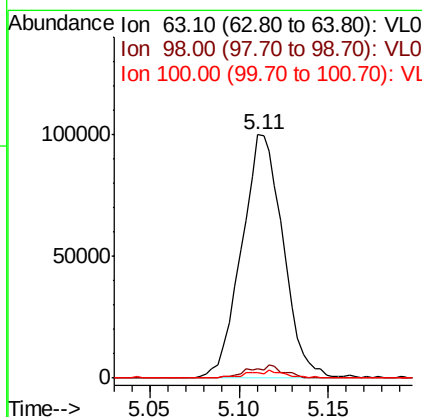
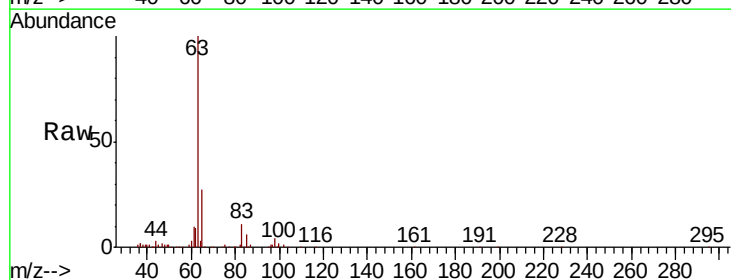
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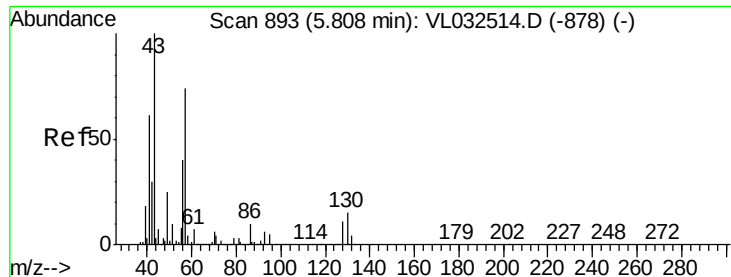
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#24
1,1-Dichloroethane
Concen: 0.815 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.03 min
Lab File: VL032533.D
Acq: 25 Sep 2018 6:56

Tgt Ion: 63 Resp: 162466
Ion Ratio Lower Upper
63 100
98 3.8 2.1 6.5
100 2.5 1.5 4.4





#26

Hexane

Concen: 0.148 ppbv m

RT: 5.80 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL032533.D

Acq: 25 Sep 2018 6:56

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018DL

Tot Ion: 57 Resp: 22018

Ion Ratio Lower Upper

57 100

41 112.1 69.0 103.4#

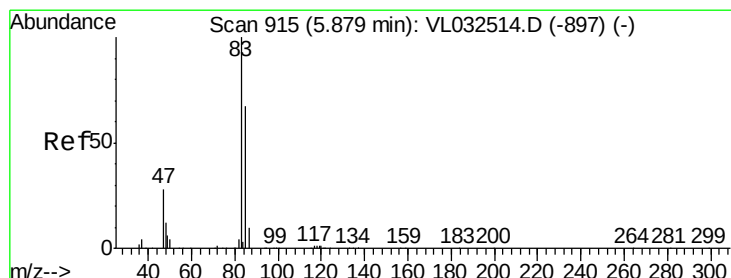
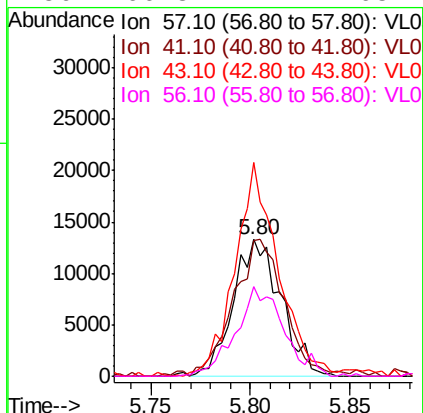
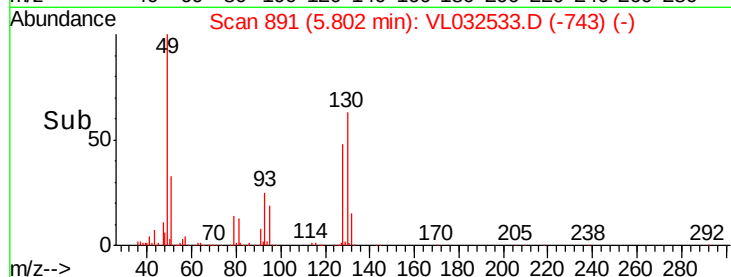
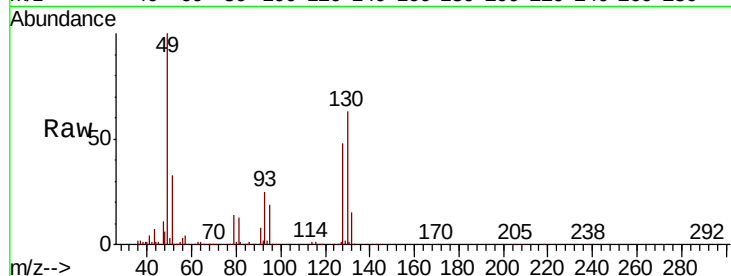
43 147.1 172.1 258.1#

56 66.3 42.2 63.2#

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#29

Chloroform

Concen: 0.192 ppbv

RT: 5.87 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL032533.D

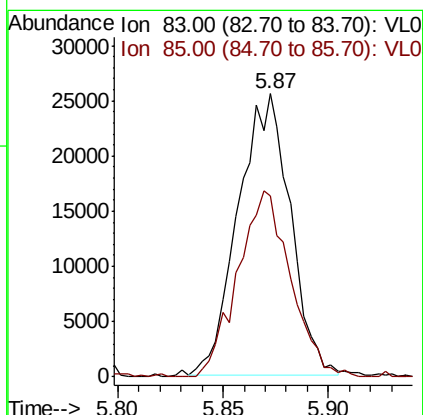
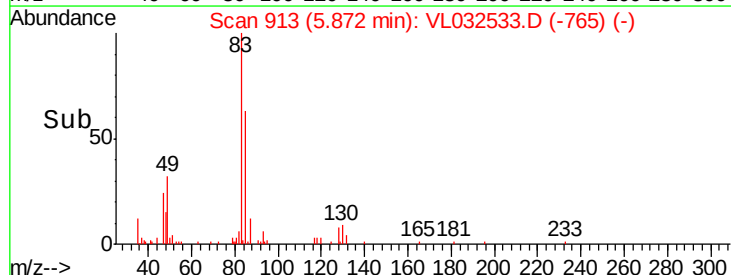
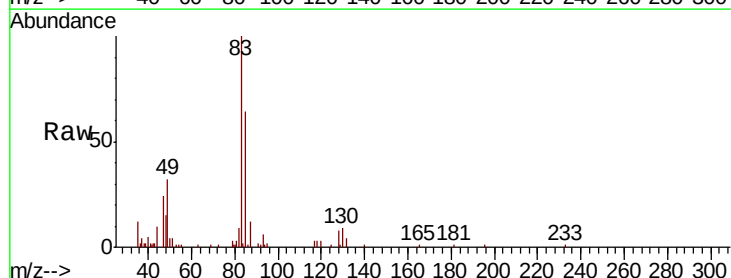
Acq: 25 Sep 2018 6:56

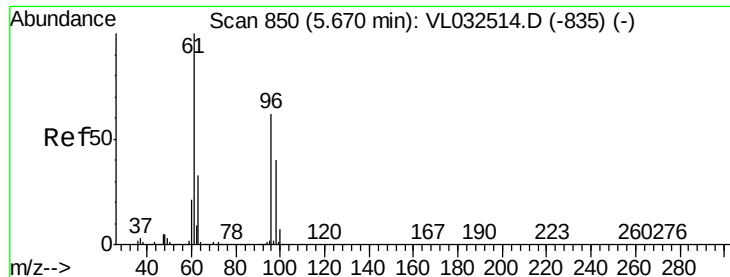
Tgt Ion: 83 Resp: 43634

Ion Ratio Lower Upper

83 100

85 64.4 52.5 78.7





#31

cis-1,2-Dichloroethene

Concen: 0.800 ppbv

RT: 5.67 min Scan# 849

Delta R.T. -0.02 min

Lab File: VL032533.D

Acq: 25 Sep 2018 6:56

Instrument :

MSVOA_L

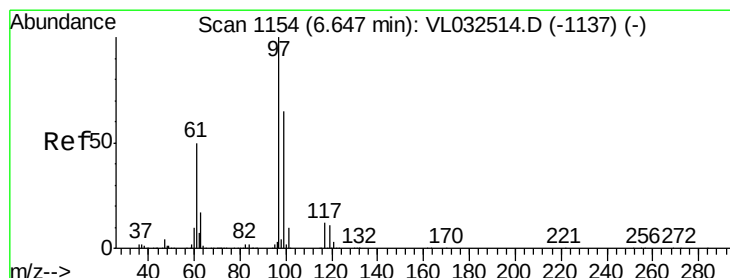
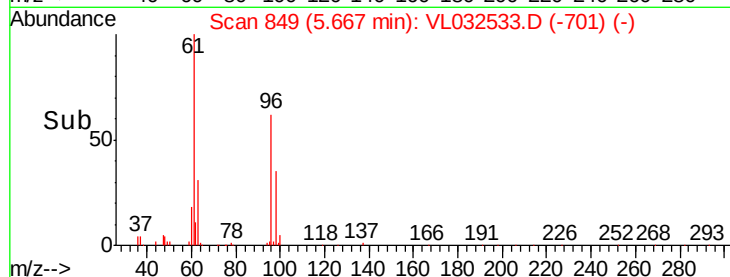
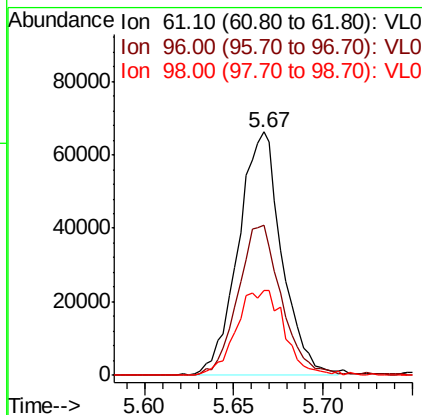
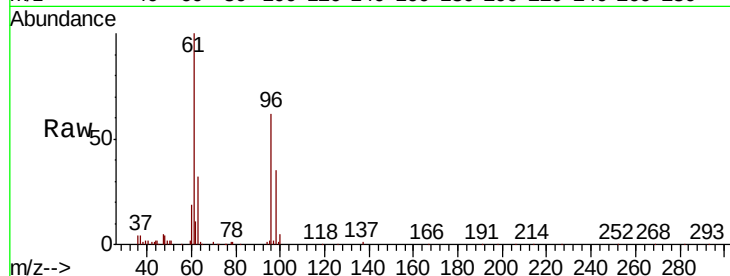
ClientSampleId :

GAC-EFF-092018DL

Tot Ion:	61	Resp:	113196
Ion Ratio		Lower	Upper
61	100		
96	61.6	49.2	73.8
98	34.8	30.7	46.1

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#32

1,1,1-Trichloroethane

Concen: 2.096 ppbv

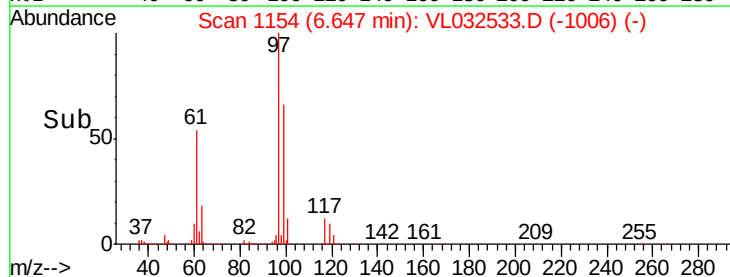
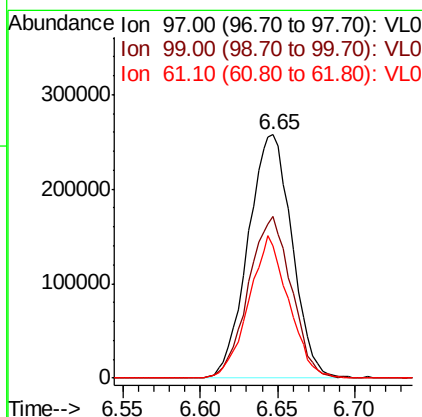
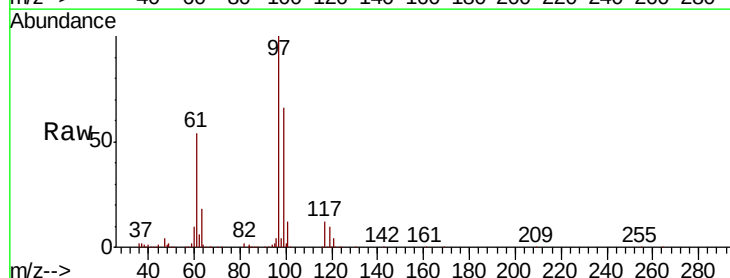
RT: 6.65 min Scan# 1154

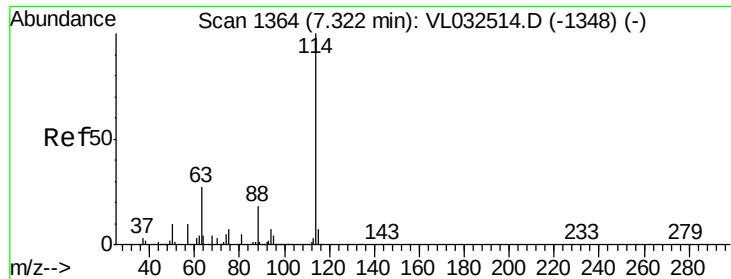
Delta R.T. -0.02 min

Lab File: VL032533.D

Acq: 25 Sep 2018 6:56

Tgt Ion:	97	Resp:	508773
Ion Ratio		Lower	Upper
97	100		
99	65.2	52.1	78.1
61	53.5	42.5	63.7





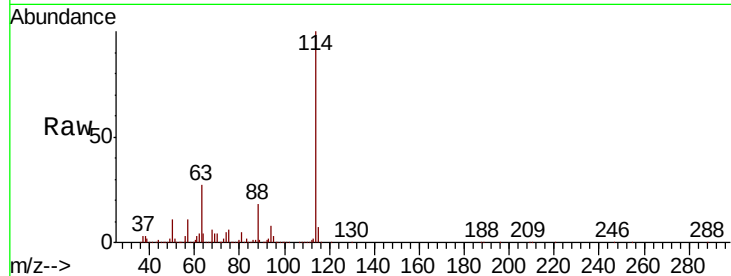
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL032533.D
 Acq: 25 Sep 2018 6:56

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.5	15.0	22.4

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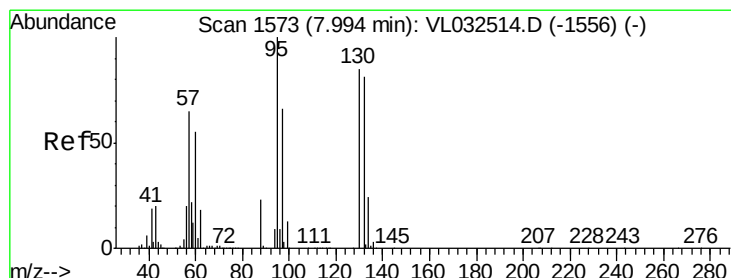
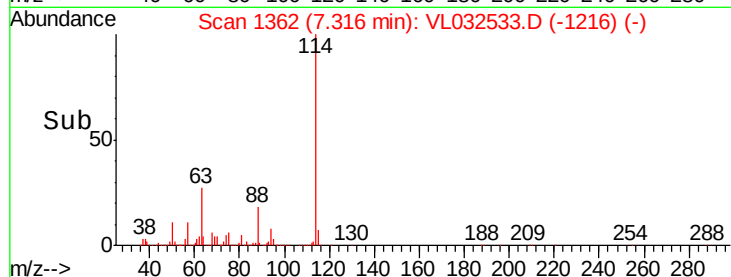
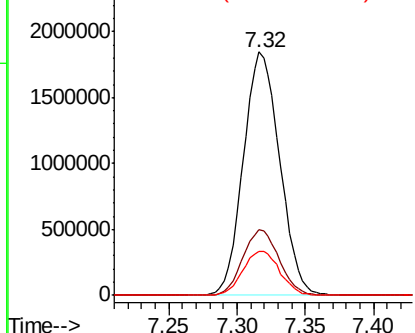


Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38
 Trichloroethene
 Concen: 6.174 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL032533.D
 Acq: 25 Sep 2018 6:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.4	94.2	141.4
132	94.8	76.2	114.4
97	72.7	60.8	91.2

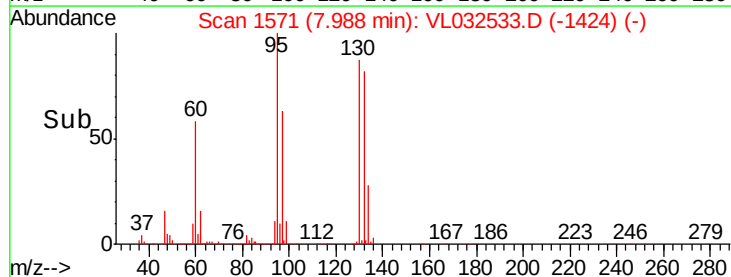
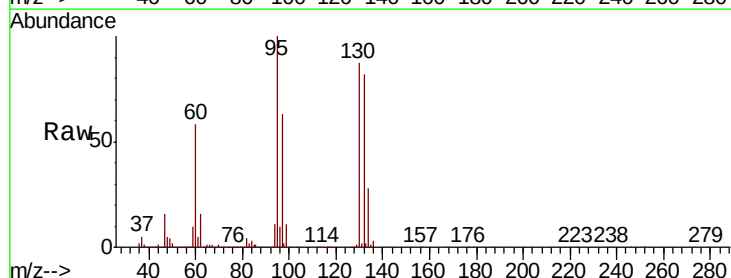
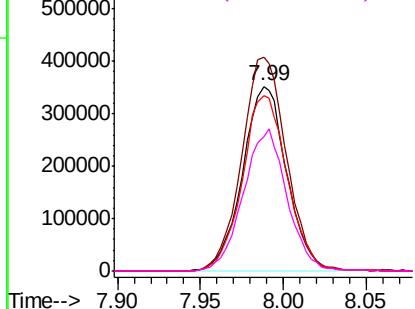
Abundance

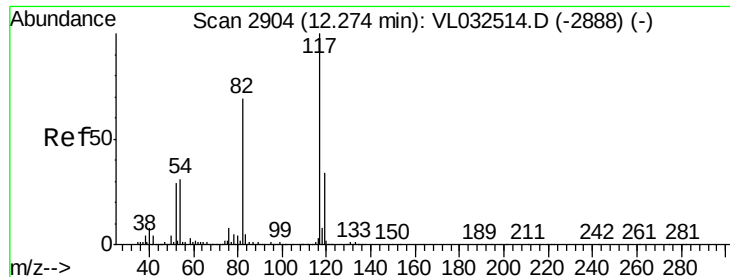
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





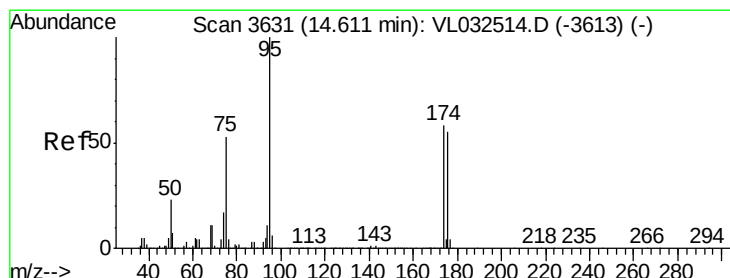
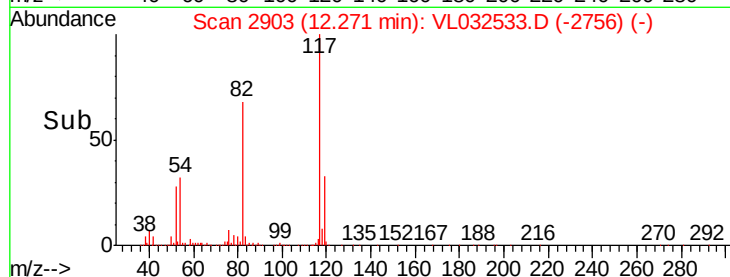
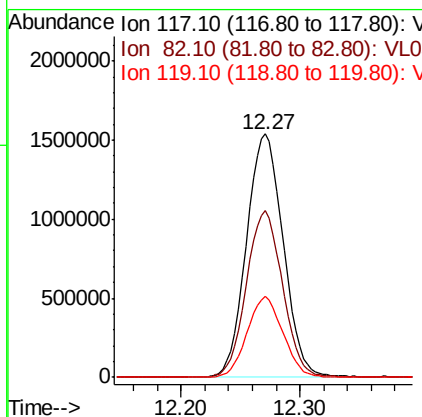
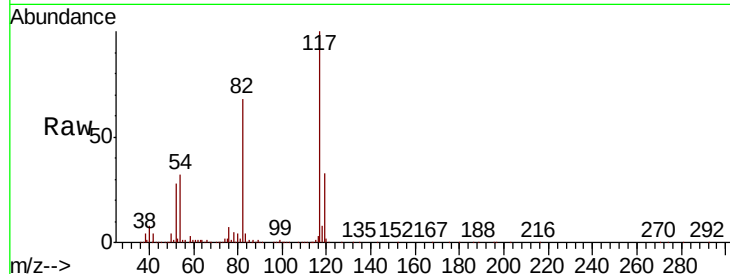
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032533.D
Acq: 25 Sep 2018 6:56

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.0	53.0	79.6
119	32.5	45.9	68.9#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.016 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032533.D
Acq: 25 Sep 2018 6:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.3	46.3	69.5
175	4.2	3.4	5.0

